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CENTRAL INTELLIGENCE AGENCY

**INFORMATION REPORT**

25X1A

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REPORT NO. 

CD NO.

COUNTRY Germany (Russian Zone)

DATE DISTR. 6 May 1952

SUBJECT Main Scientific Department, Zeiss Jena

NO. OF PAGES 2

PLACE  
ACQUIRED 

NO. OF ENCLS.

DATE OF  
INFO. SUPPLEMENT TO  
REPORT NO.

25X1X

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1. The Wissenschaftliche Hauptabteilung (Main Scientific Department) of Zeiss Jena has been without a chief since the death of Dr. Hans Harting.
2. The Department includes a number of laboratories and testing offices. A partial list of these follows:
  - a) Laboratory for treatment of surfaces
  - b) Medlab:- laboratory for research on medical instruments
  - c) Milabs "A" and "O": laboratories for the development of microscopes
  - d) Liprűf: office for testing light and illumination devices
  - e) Elprűf: office for testing electrical devices

## Computing offices:

- a) W-O Fernrohr (Wissenschaftlich-Optische Entwicklung Fernrohr)
- b) W-O Mikro: computing office for microscopes
- c) W-O Photo: computing office for cameras

## Main testing offices:

- a) Z-Prűf: central testing office
- b) Photoprűf

The last two offices are responsible for testing all optical devices. Whereas Elprűf and Liprűf do provisory testing, Z-Prűf and Photoprűf undertake final optical testing. Z-Prűf deals chiefly with lenses having long focal distances, while lenses with shorter focal distances are tested in Photoprűf.

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3.

Dr. Karl August Sonnefeld. During the war, Sonnefeld headed Zeiss's astro department, in which astro-calculations and telescopy

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computations were made. Sonnefeld's special wartime field was the supervision of periscope calculations. In October 1946, with about 300 Zeiss specialists, Sonnefeld was sent to Russia; Sonnefeld stayed with some of his colleagues in Moscow, while the others were sent to Leningrad and Kiev. The Moscow group built a plant similar to Zeiss somewhere in the Moscow region. Sonnefeld returned to Germany with about 80 percent of his colleagues. His former astro-department was combined with W-O Fernrohr; the office has not carried out any periscope calculations.\*

4. W-O Fernrohr is assigned the task of making all calculations pertaining to telescopic equipment, astro-devices, geodetic apparatus, fine measuring devices, etc; the office handles calculations for all equipment other than microscopic and camera which are done by W-O Mikro and W-O Photo.
5. Among the many jobs done by W-O Fernrohr, three seem particularly important:
  - a) Calculations for the A-1 device.
  - b) Calculations for the Schlieren device. The equipment consisted of two tubes made of light metal and painted grey, arranged in succession with a space between them for the test object. The tubes were supported by a foundation made of metal. A platform at the rear end of the device permitted vision through the tubes. They had a length of about five meters and a diameter of about one-half meter. The warmth of a hand was sufficient to produce Schlieren. W-O Fernrohr personnel, when they saw the equipment, were told that it was for material testing. It is known that at least three units were delivered to the Russians.\*\*
  - c) Calculations for condensers (Kondensoren). These are lenses with a strong curvature in order to concentrate light on a point or on a surface. They are needed for all kinds of projectors.
6. W-O Photo was formerly called Phorech. Dr. Harry Zoellner is its chief.

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\* Comment: No such calculations are made by W-O Photo or Mikro. It is believed that none are done at Zeiss Jena.)

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\*\* Comment: It is believed that a much greater number was actually delivered.)

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